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**COMPLETE**

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Page 3: Submitter Information

**Q1**

Personal Information

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**Q2****No**

Are you making this submission on behalf of a business or organisation?

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**Q3****Yes**

Would you like to be kept informed of the outcome of the Space Policy Review?

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**Q4****Yes**

Are you happy for MBIE to contact you if we have questions about your submission?

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**Q5****Respondent skipped this question**

Privacy

**Q6**

Release of Information

I understand that if there is other information in this submission that I do not wish to be released, I will email this to [spacepolicyreview@mbie.govt.nz](mailto:spacepolicyreview@mbie.govt.nz) with the subject line "Release of information", together with my reasons for withholding the information and grounds under the Official Information Act 1982, for consideration by MBIE

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Page 4: New Zealand's interests in space

**Q7**

What are your interests and relationship to space? Pick as many as apply below:

Other (please specify):

I am a Researcher at the New Zealander Institute of International Affairs. In there I do analysis on astropolitics (politics of outer space).

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**Q8**

Please note any other interests and relationship to space below that you would like to share.

Member of the Planetary Society. I also collaborated with the Wellington Astronomical Society, the New Zealand Students Space Association, the Space Review and the Catalonia Global Institute.

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Page 5: New Zealand's values in space

**Q9**

To what extent do you agree or disagree that these values should apply to New Zealand's space activities and engagements?

Innovation	<b>Strongly agree</b>
Responsibility	<b>Strongly agree</b>
Stewardship	<b>Strongly agree</b>
Partnership	<b>Neither agree nor disagree</b>

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**Q10**

Are there any other values, or aspects of kaitiakitanga (guardianship), that you think should apply to New Zealand's space activities and engagements? For example, cultural values regarding space.

Link sea exploration with space exploration not just in regards Māori cultural heritage, but also in relation to strengthen the ties with other South-Pacific countries.

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Page 6: New Zealand's space policy objectives

**Q11**

Rank these key policy objectives in order of importance to you: Click and drag to reorder the objectives from 1 (most important) to 5 (least important)

Growing an innovative and inclusive space sector	<b>1</b>
Modelling sustainable space and Earth environments	<b>2</b>
Promoting the responsible uses of space internationally	<b>5</b>
Protecting and advancing our national security and economic interests	<b>3</b>
Regulating to ensure space activities are safe and secure	<b>4</b>

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Page 7: Growing an innovative and inclusive space sector

**Q12**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to grow an innovative and inclusive space sector?

Promoting New Zealand's natural advantage for conducting space activities, and research and development expertise across the space value chain **Strongly agree**

Partnering within New Zealand and internationally to increase research and development capabilities **Strongly agree**

Identifying opportunities to increase diversity in the space sector **Strongly agree**

Using cutting-edge space technology and space sourced data to support New Zealand's values and interests **Strongly agree**

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**Q13**

**Respondent skipped this question**

Do you have any comments on these policy objectives? (e.g. any suggested change to how they are framed? Is there anything missing?)

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**Q14**

Are there any other policy objectives that you think would help the New Zealand government to grow an innovative and inclusive space sector?

Be ambitious and head to leadership in the South Pacific's space sector.

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**Q15**

Do you have any questions or comments about what these objectives would mean in practice?

I wonder how the international partnerships on earth (main economic partner being China) and in space (main economic partner being the US) are going to be compatible.

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Page 8: Promoting the responsible uses of space internationally

**Q16**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to promote the responsible uses of space internationally?

Advocating for effective international rules, norms and standards in space **Disagree**

Partnering with like-minded launch states to adopt peaceful, responsible and sustainable space practices **Disagree**

Collaborating internationally to increase New Zealand's influence and capabilities in the global space sector **Strongly agree**

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**Q17**

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

Unfortunately a space "iron curtain" might be in the horizon between the Artemis Accords countries, China, Russia and their allies and a potential group on non-aligned countries (Singapore?). All of them looking after their own interests. Current Artemis Accords already clash with space legislation (you can not claim sovereignty over places in space according 1967 Space Treaty but you can extract and sell resources under the Artemis Accords?).

I believe that New Zealand might be dragged in rather than be able to take any sort of initiative and is yet unclear who is going to have more political leverage over New Zealand, the United States or China.

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**Q18**

Are there any other policy objectives that you think would help the New Zealand government to promote the responsible uses of space internationally?

Better engagement with Island Nations in the South Pacific. They possess something that is going to become of remarkable value in the future: dark skies. Partnerships with this countries (helping them create and tailor their own space agencies for example) will help New Zealand and these countries have a stronger voice promoting space responsible uses.

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**Q19**

Do you have any questions or comments about what these objectives would mean in practice?

Yes, but I do not think the information I am interested in is available at the moment.

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**Q20**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to protect and advance our national security and economic interests?

Use space assets to protect and advance New Zealand's national security and economic interests	<b>Strongly agree</b>
Manage the broad range of security risks in space to protect New Zealand's space industry	<b>Strongly agree</b>
Collaborate with international space and security partners to pursue New Zealand's national security and economic interests	<b>Neither agree nor disagree</b>

**Q21**

**Respondent skipped this question**

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

**Q22**

Are there any other policy objectives that you think would help the New Zealand government to protect and advance our national security and economic interests?

Development of own defense technology.

**Q23**

Do you have any questions or comments about what these objectives would mean in practice?

Don't put all your eggs into just one basket.

Page 10: Modelling sustainable space and Earth environments

**Q24**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to model sustainable space and Earth environments?

Encouraging inclusive, sustainable space collaborations within New Zealand	<b>Strongly agree</b>
Assessing the cumulative impact of space activities on the Earth environment	<b>Strongly agree</b>
Assisting with solving sustainability challenges through space data, including to better monitor or understand the Earth's environment	<b>Strongly agree</b>
Investing in New Zealand's capability to retain, grow, access and use sustainable space technologies	<b>Strongly agree</b>

**Q25**

Respondent skipped this question

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

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**Q26**

Are there any other policy objectives that you think would help the New Zealand government to model sustainable space and Earth environments?

Cultural activities related to space to engage with the wider public. Culture, economy and policy are very interconnected. Jeff Bezos has been very influenced by Star Trek and at the same time science-fiction movies like Dune where very much influenced by historical events such as the Arab uprisings at the beginning of the XXth century. I believe a holistic view is necessary.

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**Q27**

Respondent skipped this question

Do you have any questions or comments about what these objectives would mean in practice?

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Page 11: Regulating to ensure space activities are safe and secure

**Q28**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to promote the responsible uses of space internationally?

Facilitating the safe and secure use of emerging space technologies from New Zealand **Strongly agree**

Clarifying what New Zealand space activities are inconsistent with the national interest **Strongly agree**

Promoting and protecting New Zealand's interests through permitting space technologies **Strongly agree**

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**Q29**

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

I wonder how are you going phrase them to locals who are not interested in the issue or about suspicious on space activities.

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**Q30**

Respondent skipped this question

Are there any other policy objectives that you think would help the New Zealand government to ensure space activities are safe and secure?

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**Q31**

**Respondent skipped this question**

Do you have any questions or comments about what these objectives would mean in practice?

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Page 12: Regulating in line with our national interests

**Q32**

Are there any comments you would like to make about these criteria that inform consideration of the national interest?

I think New Zealand is already linked to US nuclear related activities.

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**Q33**

**Respondent skipped this question**

What questions do you have about how the national interest is considered in practice?

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